

OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER

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SWEET CORN VARIETY TRIALS - 1969

OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER  
Lane Avenue Branch, Columbus, Ohio

Walter N. Brown

DEPARTMENT OF HORTICULTURE

Ohio Agricultural Research and Development Center  
Wooster, Ohio

Horticulture Mimeograph Series No. 363, August 6, 1970

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LANE AVENUE BRANCH, Columbus, Ohio

Department of Horticulture Mimeograph Series No. 363  
August 6, 1970

SWEET CORN VARIETY TRIALS - 1969  
Columbus, Ohio

Walter N. Brown\*

In the 1969 sweet corn evaluation trials at Columbus, 98 varieties were planted June 11 in single row plots replicated five times. Each plot consisted of 21 hills spaced 18" in rows 36" apart. Four Kernels per hill were planted by hand jabber. Stand counts were made at the 2-3 true-leaf stage to determine germination and missing hills. Later seedlings were thinned to two plants per hill permitting a maximum stand of 19,360 plants per acre. 1000 lbs./A of 12-12-12 fertilizer was applied to fallow land and plowed down. Immediately after planting, Ramrod 8 lbs./A was applied. No insect control was used. First harvest was made on August 12, and the last on August 29, 1969.

For the yield records only, marketable size ears were included. No treatment for ear worm was used since it was desired to evaluate the inherent ear worm resistance. It was assumed that insects could have been controlled by the use of suitable treatments.

The symbols and rating systems used are as follows:

Average Depth of Kernel - Average length of 3 kernels from center section of three ears selected at random from each plot.  
Color of Kernel - L-light, M-medium, D-dark; Y-yellow, W-white;  
B-bright, I-intermediate, D-dull; MIX - mixed yellow and white.  
Ease of Snapping: 1-very difficult to 5-easily snapped.  
Shanks: 1-long, over 6 inches, to 5-short, one inch or less.  
Flag Length: 1-less than two inches to 5-over eight inches.  
Flag Number: 1-non to 5-over eight.  
Tip Cover: 1-exposed to 5-long, extending 3 inches or more.  
Silk Color: 1-dark brown to 5-clear or white.  
Husk Tightness: 1-loose to 5-tight.  
General Uniformity: 1-poor to 5-excellent.

SOURCE OF SEED

Code

A-2	Asgrow Seed Company, Orange, Conn. 06477
B-1	W. Atlee Burpee & Co., P. O. Box 6929, Philadelphia, Pa. 19132
F-1	Ferry-Morse Seed Co., P. O. Box 398, Racine Wisc. 53401
G-1	Gill Bros., Seed Co., Montavilla Station, Portland, Ore. 97216
H-1	Joseph Harris Co., Inc., Moreton Farm, Rochester. N. Y. 14624
H-2	The Holmes Seed Co., 2125 46th S., N.W., Canton, Ohio 44709
L-2	Letherman Seed Co., 501 McKinley Avenue, N. W., Canton, Ohio 44702
N-1	Northrup-King & Co., 1500 Jackson St., N. E. Minneapolis, Minn. 55413
R-1	Robson Quality Seeds, Inc., Holl, N.Y. 14463
S-1	Stokes Seeds, Ltd., Box 15, 86-88 Exchange St., Buffalo, N.Y. 14205
T-4	Otis S. Twilley Seed Co., Salisbury, Md. 21801

GENERAL COMMENTS

Temperatures for June, July and August were below normal. Rainfall was approximately three inches above normal.

Mean temperatures and rainfall recorded at University Farm, Columbus, are given below:

	<u>Mean Temperature</u>	<u>Rainfall</u>
June 11-30	72.0° F.	1.65"
July	76.3	5.55
August	73.5	3.25

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\* Dept. of Horticulture, OARDC, 2001 Fyffe Court, Columbus, Ohio 43210  
Deceased, July 24, 1969.

VC - '69, p 3

Variety, Lot Number  
and Source

[illegible]

TABLE I  
SWEET CORN VARIETY TRIALS - 1969  
Columbus, Ohio

(5 Replications)

[illegible]

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TABLE I  
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(5 Replications)

[illegible]



VC - '69, p 10

Variety, Lot Number  
and Source

[illegible]

TABLE I  
SWEET CORN VARIETY TRIALS - 1969  
Columbus, Ohio

(5 Replications)



VC - '69, p 13

Variety, Lot Number  
and Source

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